

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number
WO 2004/013334 A1

(51) International Patent Classification⁷: C12N 15/82, A01H 1/00, C12N 15/11

(74) Common Representative: SYNGENTA PARTICIPATIONS AG; Intellectual Property, P.O. Box, CH-4002 Basel (CH).

(21) International Application Number: PCT/EP2003/008197

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 25 July 2003 (25.07.2003)

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0217406.8 26 July 2002 (26.07.2002) GB

(71) Applicant (for all designated States except US): SYNGENTA PARTICIPATIONS AG [CH/CH]; Schwarzwaldallee 215, CH-4058 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LINDERS, Ennio, Gerardus, Albertus [NL/NL]; Syngenta Seeds B.V., Westeinde 62, NL-1601 BK Enkhuizen (NL). TJEERTES, Peter [NL/NL]; Syngenta Seeds B.V., Westeinde 62, NL-1601 BK Enkhuizen (NL). DE HAAS, Johannes, Maria [NL/NL]; Syngenta Seeds B.V., Westeinde 62, NL-1601 BK Enkhuizen (NL). HUANG, Cia-Cheng [CN/NL]; Syngenta Seeds B.V., Westeinde 62, NL-1601 BK Enkhuizen (NL).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/013334 A1

(54) Title: CLUBROOT RESISTANT BRASSICA OLERACEA PLANTS

(57) Abstract: The present invention discloses *B. oleracea* plants resistant to clubroot disease. In particular, the plants of the present invention comprise a monogenic dominant resistance to the disease clubroot introgressed from *B. rapa*. This resistance provides improved resistance to the disease as compared to previously existing resistances in *B. oleracea*.